

# Blut

Volume 45 1982

---

## Journal of Experimental and Clinical Hematology

---

Organ of Deutsche Gesellschaft für Hämatologie und Onkologie  
of Deutsche Gesellschaft für Bluttransfusion und Immunhämatologie  
and of Österreichische Gesellschaft für Hämatologie und Onkologie

---

### Managing Editors

H. Heimpel, Ulm  
D. Huhn, München

C. Mueller-Eckhardt, Gießen  
G. Ruhenstroth-Bauer, München

### Advisory Board

M. Besis, Paris	Y. H. L. Najeau, Paris
P. Dahr, Köln	J. Neuwirt, Prag
E. Deutsch, Wien	G. Riethmüller, München
L. J. Dooren, Leiden	H. Schmid-Schönbein, Aachen
Th. M. Fliedner, Ulm	H. G. Schwick, Marburg/L.
J. A. Forrester, London	H. J. Senn, St. Gallen
R. Gross, Köln	W. Spielmann, Frankfurt/M.
R. Haas, München	A. Stacher, Wien
K. Lennert, Kiel	R. Storb, Seattle, WA
S. M. Lewis, London	R. L. Verwilghen, Leuven
H. Löffler, Kiel	P. C. Vincent, Sydney
G. Lucarelli, Pesaro	H. D. Waller, Tübingen
H. A. Messner, Toronto	H. Wigzell, Stockholm
G. Müller-Berghaus, Gießen	



Springer-Verlag Berlin Heidelberg New York

The journal "Blut" was founded in 1955 by G. Blumenthal †, W. Laves †, and H. Nachtsheim † and was continued by W. Stich. In 1965 the journal "Folia Haematologica N.F." was united with "Blut".

The journal is the official organ of the Deutsche Gesellschaft für Hämatologie und Onkologie, the Deutsche Gesellschaft für Bluttransfusion und Immunhämatologie and the Österreichische Gesellschaft für Hämatologie und Onkologie.

Up until Vol. 34, No. 2 (1977) inclusively "Blut" was published by J. F. Lehmanns Verlag, Munich. As of Vol. 34, No. 3 (1977) it has been published by Springer-Verlag Berlin Heidelberg New York.

It is a fundamental condition that submitted manuscripts have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of a similar nature, and translations.

Photographic reproduction, microform, or any other reproduction of text, figures, or tables from this journal is prohibited without permission obtained from the publisher.

The use of general descriptive names, trade names, trade marks, etc., in this publication, even if the former are not specifically identified, is not to be interpreted as exempt from the relevant protective laws and regulations and may accordingly be used freely by anyone.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors nor the editors nor the publisher can accept legal responsibility for errors or omissions that may have been made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

#### *Special Regulations for the USA*

The Article Fee Code on the first page of an article in this journal indicates the copyright owner's consent that in the USA copies may be made for personal or internal use, provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid through the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA.

If a code does not appear, copies of the article may be made without charge, provided permission is obtained from the publisher.

The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or resale. Specific written permission must be obtained from the publisher for such copying.

#### *Other Regulations*

Authors of this journal can benefit from library and photocopy fees collected by VG WORT if certain conditions are met. If an author lives in the Federal Republic of Germany or in West Berlin it is recommended that he contact Verwertungsgesellschaft WORT, Abteilung Wissenschaft, Goethestraße 49, D-8000 München 2, for detailed information.

Springer-Verlag Berlin Heidelberg New York

Printers: Gebr. Parcus KG, Buchdruckerei und Verlagsanstalt, München

© Springer-Verlag GmbH & Co. KG, Berlin Heidelberg 1982

Printed in Germany

## Contents Volume 45

Alberca, I., see Vicente García, V., et al.	417
Annual Congress of the Austrian and German Societies of Hematology and Oncology. Innsbruck, October 3rd-6th, 1982. Abstracts	171
Aprile, J., see Wulff, J. C., et al.	309
Baldunni, C. L., see Invernizzi, R., et al.	291
Bannert, P., see Speck, B., et al.	237
Ben-Ishay, Z., Prindull, G., Yankelev, S., Shushan, A.: Enhanced Acceptance of Regenerating Bone Marrow of Random Bred Newborn Mice by Random Bred Adult Mice	23
Ben-Ishay, Z., see Prindull, G., et al.	167
Betterle, C., Trevisan, A., Girolami, A.: Factor X and Pancreatic Islet A Cell	415
Bonomo, L., see Liso, V.	347
Botzenhardt, U., see Müller, J., et al.	13
Braunitzer, G., see Kleinschmidt, T., et al.	283
Braunitzer, G., see Sladić-Simić, D., et al.	287
Braunsteiner, H., see Huber, Ch., et al.	375
Braunsteiner, H., see Niederwieser, D., et al.	385
Bross, K. G., see Fauser, A. A., et al.	97
Bross, K. G., see Kanz, L., et al.	267
Cappellato, G., see Girolami, A., et al.	141
Carbone, F., see Grilli, G., et al.	317
Clemens, M. R., Remmer, H.: Volatile Alkanes Produced by Erythrocytes: An Assay for in vitro Studies on Lipid Peroxidation	329
20. Congress of the Deutsche Gesellschaft für Bluttransfusion und Immunhämatologie. Würzburg, April 27-30, 1982. Abstracts	47
Dal Bo Zanon, R., Gazzetta, R., Fabris, F., Ruffato, G., Girolami, A.: In Vitro Survival Studies of a Factor VIII Concentrate (Kryobulin)	279
Deeg, H. J., see Wulff, J. C., et al.	309
De Marco, L., see Girolami, A., et al.	141
Dörken, B., see Roelcke, D., et al.	109
Dörmer, P., see Lau, B., et al.	323
Doss, M., Müller, W. A.: Acute Lead Poisoning in Inherited Porphobilinogen Synthase (δ-Aminolevulinic Acid Dehydrase) Deficiency	131
Drivsholm, A., see Hansen, O. P.	1
Durkopp, N., see Wulff, J. C., et al.	309
Essers, U., Niedeggen, A., Heilmann, E., Hövels-Gürich, H.: Burst-Stimulating Activity in Sera of Patients with Polycythemia vera	103
Fabris, F., see Dal Bo Zanon, R., et al.	279
Fauser, A. A., Bross, K. G., Kanz, L., Löhr, G. W.: Suppressor T-cell Clones Derived from Pluripotent Stem Cells (CFU-GEMM) of a Patient with Hodgkin's Lymphoma	97
Fauser, A. A., Löhr, G. W.: Myelo-lymphopoietic Stem Cells in Human Bone Marrow	151
Fauser, A. A., see Kanz, L., et al.	267
Feil, W., see Schmidmeier, W., et al.	115
Forbes, I. J., see Roelcke, D., et al.	109
Gabriel, M., see Prindull, G., et al.	167
Garg, A., Kumar, S., Kochupillai, V.: Aplastic Anaemia in Pregnancy	143
Ganser, A., Nobis, P., Porzsolt, F.: Modern Trends in Human Leukemia V. Wilsede, June 20-24, 1982	351

Gastl, G., see Huber, Ch., et al.	375
Gazetta, R., see Dal Bo Zanon, R., et al.	279
Gebhart, W., see Schmidmeier, W., et al.	115
Gips, C. H., see Vellenga, E., et al.	261
Girolami, A., Patrassi, G. M., De Marco, L., Cappellato, G.: Lack of Factor XII Antigen in Factor XII Deficiency as Determined by Electroimmunoassay	141
Girolami, A., see Dal Bo Zanon, R., et al.	279
Girolami, A., see Betterle, C., et al.	415
Gratwohl, A., see Speck, B., et al.	237
Grilli, G., Wieland, C., Carbonell, F.: Promotion of Erythropoietic Bursts in Culture of Human Bone Marrow by Blood-Derived Mononuclear Cells	317
Grisold, W., see Schmidmeier, W., et al.	115
Gschnait, F., see Schmidmeier, W., et al.	115
Hansen, O. P., Drivsholm, A.: Renal Plasma Clearance: A Valuable Marker in Myelomatosis	1
Hartmann, H. G., Pees, H. W., Jutzler, G. A., Scheurlen, P. G.: Remission Induction in a Patient with Severe Aplastic Anemia and Renal Failure by Immunosuppressive Treatment Including Antithymocyte Globulin	275
Heilmann, E., see Essers, U., et al.	103
Heimpel, H., see Porzsolt, F.	243
Hiller, K., Meyer, P., Wilms, K.: In Vivo Cell Kinetic Effects of Vincristine on the Spontaneous AKR Leukemia: Recruitment of Non-proliferating Cells	39
Hinterberger, W., see Schmidmeier, W., et al.	115
Hintz, G., Schwerdtfeger, R.: Unterschiedliche Proportionen von Faktor VIII und Faktor VIII-Inhibitoren in ihren Antigen-Antikörper-Komplexen	395
Hiraoka, A., see Yonezawa, T., et al.	121
Höcker, P., see Schmidmeier, W., et al.	115
Hövels-Gürich, H., see Essers, U., et al.	103
Huber, Ch., Niederwieser, D., Gastl, G., Zier, K., Braunsteiner, H.: DichteVerteilung menschlicher Lymphozyten. I. Untersuchungsergebnisse an normalen lymphatischen Geweben	375
Huber, Ch., see Niederwieser, D., et al.	385
Huhn, D., see Lau, B., et al.	323
Ichiba, Y., see Misumi, H., et al.	33
Invernizzi, R., Balduini, C. L., Ricevuti, G., Rizzo, S. C.: Erythroblastic Transformation of Chronic Granulocytic Leukemia	291
Jäger, G., see Lau, B., et al.	323
Jeannet, M., see Speck, B., et al.	237
Jehn, U., see Lau, B., et al.	323
Jellinger, K., see Schmidmeier, W., et al.	115
Jones, C. M., Shin, Moon L., Mayer, M. M.: On the Lysis of Paroxysmal Nocturnal Hemoglobinuria Erythrocytes by Complement: Dual Role of C3b	249
Jutzler, G. A., see Hartmann, H. G., et al.	275
Kanayama, Y., see Yonezawa, T., et al.	121
Kanz, L., see Fauser, A. A., et al.	97
Kanz, L., Straub, G., Bross, K. G., Fauser, A. A.: Identification of Human Megakaryocytes Derived from Pure Megakaryocytic Colonies (CFU-M), Megakaryocytic-Erythroid Colonies (CFU-M/E), and Mixed Hemopoietic Colonies (CFU-GEMM) by Antibodies against Platelet Associated Antigens	267
Kitani, T., see Yonezawa, T., et al.	121
Kleinschmidt, T., Sladić-Simić, D., Braunitzer, G.: Column Chromatography of Human Embryonic Hemoglobins	283
Kleinschmidt, T., see Sladić-Simić, D., et al.	287
Knapp, W.: Monoclonal Antibodies against Differentiation Antigens of Myelopoiesis	301

Kochupillai, V., see Garg, A., et al.	143
Kosaka, M., see Misumi, H., et al.	33
Kreckel, P., Kühnl, P.: Improved Coagulation Factor XIII B (FXIIIB) Phenotyping after Neuraminidase Treatment of Plasma and First Description of the FXIIIB 2 Phenotype	337
Krepler, R., see Schmidmeier, W., et al.	115
Krom, R. A. F., see Vellenga, E., et al.	261
Kubanek, B., see Pflieger, H., et al.	411
Kühnl, P., see Kreckel, P.	337
Kumar, S., see Garg, A., et al.	143
Lau, B., Jäger, G., Huhn, D., Jehn, U., Thierfelder, S., Dörmer, P.: Auer-rod Positive Myelocytic Leukemia Cells in Diffusion Chambers: Differentiation along the Eosinophilic Pathway	323
Lemmel, E.-M., see Müller, J., et al.	13
Lenhard, V., see Roelcke, D., et al.	109
Linke, R. P.: Identification of Amyloid Protein AA with a Monoclonal Antibody	407
Liso, V., Bonomo, L.: Platelet Satellitism to Basophils in a Patient with Chronic Myelocytic Leukaemia	347
Löhr, G. W., see Fauser, A. A., et al.	97
Löhr, G. W., see Fauser, A. A.	151
López Borrasca, A., see Vicente García, V., et al.	417
Lutz, D., see Niederwieser, D., et al.	385
Machacek, E., see Schmidmeier, W., et al.	115
Mayer, M. M., see Jones, C. M., et al.	249
Meyer, P., see Hiller, K., et al.	39
Misumi, H., Wada, H., Ichiba, Y., Shohmori, T., Kosaka, M.: Separate Detection of Glucose-6-Phosphate Dehydrogenase from 6-Phosphogluconate Dehydrogenase by DEAE-Paper Chromatography	33
Müller, Hj., see Speck, B., et al.	237
Müller, J., Botzenhardt, U., Lemmel, E.-M.: Studies on the Mechanism of PMN Activation. II. by Triggering the Alternative Pathway of Complement Activation	13
Müller, M., see Speck, B., et al.	237
Müller, W. A., see Doss, M.	131
Mulder, N. H., see Vellenga, E., et al.	261
Niedeggen, A., see Essers, U., et al.	103
Niederwieser, D., see Huber, Ch., et al.	375
Niederwieser, D., Huber, Ch., Lutz, D., Weiser, G., Thechl, H., Braunsteiner, H.: Dichteverteilung menschlicher Lymphozyten. II. Verteilungsmuster maligner Lymphozyten und prognostische Signifikanz bei Patienten mit non-Hodgkin Lymphomen	385
Nissen, C., see Speck, B., et al.	237
Nobis, P., see Ganser, A., et al.	351
Osterwalder, B., see Speck, B., et al.	237
Patrassi, G. M., see Girolami, A., et al.	141
Pees, H. W., see Hartmann, H. G., et al.	275
Pflieger, H., Wiesneth, M., Schmeiser, T., Kubanek, B.: A Simple Technique for Processing of Bone Marrow for Human Marrow Transplantation	411
Porzsol, F., Heimpel, H.: Impaired T-Cell and NK-Cell Function in Patients with Pre-leukemia	243
Porzsol, F., see Ganser, A., et al.	351
Prieto, J., see Vicente García, V., et al.	417
Prindull, B., see Prindull, G., et al.	167
Prindull, G., see Ben-Ishay, et al.	23

Prindull, G., Ben-Ishay, Z., Gabriel, M., Prindull, B., Schröter, W.: A Comparison of Spontaneous and CSF Added CFU-MG Colony Formation in Healthy, Sick and Hypotrophic Pre-term Infants . . . . .	167
Remmer, H., see Clemens, M. R. . . . .	329
Ricevuti, G., see Invernizzi, R., et al. . . . .	291
Rister, M.: Effects of Hyperoxia on Phagocytosis . . . . .	157
Rizzo, S. C., see Invernizzi, R., et al. . . . .	291
Roelcke, D., Forbes, I. J., Zalewski, P. D., Dörken, B., Lenhard, V.: A Further Subspecies within Human Monoclonal Anti-Pr Cold Agglutinins . . . . .	109
Ruffato, G., see Dal Bo Zanon, R., et al. . . . .	279
Scheurlen, P. G., see Hartmann, H. G., et al. . . . .	275
Schmeiser, T., see Pflieger, H., et al. . . . .	411
Schmidmeier, W., Feil, W., Gebhart, W., Grisold, W., Gschnait, F., Hinterberger, W., Höcker, P., Jellinger, K., Krepler, R., Machacek, E.: Fatal Graft-versus-Host Reaction Following Granulocyte Transfusions . . . . .	115
Schröter, W., see Prindull, G., et al. . . . .	167
Schwerdtfeger, R., see Hintz, G. . . . .	395
Shin, Moon L., see Jones, C. M., et al. . . . .	249
Shohmori, T., see Misumi, H., et al. . . . .	33
Shushan, A., see Ben-Ishay, et al. . . . .	23
Sladić-Simić, D., see Kleinschmidt, T., et al. . . . .	283
Sladić-Simić, D., Kleinschmidt, T., Braunitzer, G.: Enrichment of Human Nucleated Red Blood Cells from the Mixture of Maternal-Embryonic Blood Cells . . . . .	287
Speck, B., Gratwohl, A., Nissen, C., Osterwalder, B., Müller, M., Bannert, P., Müller, Hj., Jeannet, M.: Allogeneic Marrow Transplantation for Chronic Granulocytic Leukemia . . . . .	237
Storb, R., see Wulff, J. C., et al. . . . .	309
Straub, G., see Kanz, L., et al. . . . .	267
Tamaki, T., see Yonezawa, T., et al. . . . .	121
Tarui, S., see Yonezawa, T., et al. . . . .	121
Theml, H., see Niederwieser, D., et al. . . . .	385
Thierfelder, S., see Lau, B., et al. . . . .	323
Trevisan, A., see Betterle, C., et al. . . . .	415
Tsoi, M.-S., see Wulff, J. C., et al. . . . .	309
Vellenga, E., Mulder, N. H., Gips, C. H., Krom, R. A. F.: Vascular Problems in Paroxysmal Nocturnal Haemoglobinuria. A Report of Two Cases . . . . .	261
Vicente Garcia, V., Alberca, I., Prieto, J., López Borrasca, A.: Von Willebrand's Syndrome Associated with von Recklinghausen Neurofibromatosis . . . . .	417
Wada, H., see Misumi, H., et al. . . . .	33
Weiser, G., see Niederwieser, D., et al. . . . .	385
Wieland, C., see Grilli, G., et al. . . . .	317
Wiesneth, M., see Pflieger, H., et al. . . . .	411
Wilmanns, J. C.: Paroxysmal Nocturnal Hemoglobinuria First Described in 1882 by Paul Strübing: An Example of Cooperation Between Clinical and Basic Research . . . . .	367
Wilms, K., see Hiller, K., et al. . . . .	39
Wulff, J. C., Tsoi, M.-S., Aprile, J., Deeg, H. J., Durkopp, N., Storb, R.: Stimulation of Canine Lymphocyte Subpopulations Separated Nonlytically by Monoclonal Anti-T and Polyclonal Anti-B Cell Antibodies . . . . .	309
Yankelev, S., see Ben-Ishay, et al. . . . .	23
Yonezawa, T., Kitani, T., Tamaki, T., Kanayama, Y., Hiraoka, A., Tarui, S.: Immunoglobulin Production and Secretion in Bence Jones Protein Myeloma and "Nonsecretory" Myeloma. Ultrastructural and Immunofluorescence Study . . . . .	121

**Contents****VII**

Zalewski, P. D., see Roelcke, D., et al. . . . .	109
Zier, K., see Huber, Ch., et al. . . . .	375
Zwaan, F. E.: Haemopoietic Progenitor Cells in Peripheral Blood . . . . .	87
Subject Index . . . . .	421
Author Index . . . . .	424
Book Reviews . . . . .	426

Indexed in Current Contents